



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,600	02/12/2004	Chandar Kamalanathan	DC-06380	4924
33438	7590	10/28/2008		
HAMILTON & TERRILE, LLP			EXAMINER	
P.O. BOX 203518			HAILU, TESHOME	
AUSTIN, TX 78720				
			ART UNIT	PAPER NUMBER
			2439	
			NOTIFICATION DATE	DELIVERY MODE
			10/28/2008	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

tmunoz@hamiltontertile.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/777,600	<b>Applicant(s)</b> KAMALANATHAN ET AL.	
	<b>Examiner</b> TESHOME HAILU	<b>Art Unit</b> 2439	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 July 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                     | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

1. Claims 1-20 are pending.
2. This office action is in reply to an amendment filed on July 15, 2008. Claims 1-20 have been amended.

***Response to Amendment***

3. Applicant's arguments filed July 15, 2008, with respect to 35 USC 103(a) rejections of claims 1-20 have been fully considered but they are not persuasive.
4. Applicant argues that Howard (US Pub. No. 2002/0069365) in view of Billharz (US Pub. No. 2004/0250130) fails to teach the limitation, "a protocol decryption engine interfaced with the browser, the protocol decryption engine operable to decrypt the encrypted protocol associated with the HTML link and authorize execution of the associated restricted browser function without the function confirmation" as recited in claims 1, 9 and 18. Examiner disagrees.
5. Examiner would point out that, Howard teaches this limitation as (page 4, paragraph 42, when a document is secured using the common security model, the server component encrypts the document prior to downloading it, and the limited user browser decrypts the data for viewing only). According to Howard, the limited user browser decrypts the data (HTML link) for viewing only. However, Howard fails to teach about the confirmation function. On the other hand, Billharz disclosed the confirmation function as, (page 7-8, paragraph 85, one minute before expiration of time, users are prompted to confirm to continue the session, with a popup "Yes/No" window. This window appears in the foreground of all other windows, and remains up for a predetermined amount of time, e.g., one minute. The notification text may be as follows: "Your Remote User Portal session is about to expire due to inactivity. Do you want to continue using the site?" If the user does not respond after one minute, the popup will disappear and the user will be automatically signed out. If the user selects No, the user will be signed out. If the user selects

Art Unit: 2439

Yes, the timer is reset to its internal or external limit appropriately). It is obvious to one ordinary skill in the art to add the confirmation function of Billharz to the limitation of Howard in order to allow the user to proceed after confirming the message received from the system.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Howard et al (Howard) (US Pub. No. 2002/0069365) in view of Billharz (US Pub. No. 2004/0250130).

As per claim 1, Howard discloses:

Systems for secure Hypertext Markup Language (HTML) links, (page 6, paragraph 67, if the client computer is running the limited-use browser/module, the server system generates a secure HTML).

A protocol encryption tool operable to associate encrypted protocols with HTML links, (page 7, paragraph 73, the client system receives the requested content from the server system as either encrypted HTML content or secured document package).

Each protocol associated with a restricted browser function; (page 6, paragraph 67, the server system generates a secure HTML page corresponding to the requested content and sends the page to the client system).

An editor operable to publish an HTML link and associated encrypted protocol in a web page (page 1, paragraph 15, a limited-use web browser and related security system allows providers of text and images or other content to publish content on a local-area network (LAN) or wide-area network

Art Unit: 2439

(WAN), such as world wide web (web) and the Internet). Where HTML is one way of creating a web page. "publish the content" inherently including "an editor operable to publish".

A browser operable to display the web page and HTML link (page 1-2, paragraph 15, reads and displays any viewable web content including text, images, and streaming audio and video).

The browser having one or more restricted function, (page 6, paragraph 62, a secure document package is composed of a document manager and one or more web pages). Where the web pages can be a restricted function.

Each restricted function requiring at least selection of an HTML link (page 6, paragraph 67, the server system generates a secure HTML page corresponding to the requested content and sends the page to the client system).

A function confirmation before the browser executes the function (page 4, paragraph 42, when the user request 313 is received by the server computer 301, the server component 302 determines if a client key is associated with the request. If the key 314 is not present, the request is immediately rejected).

A protocol decryption engine interfaced with the browser, the protocol decryption engine operable to decrypt the encrypted protocol associated with the html link and authorize execution of the associated restricted browser function without the function confirmation. (Page 4, paragraph 45, "When a document is secured using the common security model, the server component 302 encrypts the document prior to downloading it, and the limited user browser 312 decrypts the data for viewing only.")

Howard does not explicitly disclose, the confirmation function. However, on the same field of endeavor, Billharz teach this limitation as, (page 7-8, paragraph 85, one minute before expiration of time, users are prompted to confirm to continue the session, with a popup "Yes/No" window. This window appears in the foreground of all other windows, and remains up for a predetermined amount of time, e.g., one minute. The notification text may be as follows: "Your Remote User Portal session is about to expire due to inactivity. Do you want to continue using the site?" If the user does not respond after one minute, the popup will disappear and the user will be automatically signed out. If the user selects No, the user will be signed out. If the user selects Yes, the timer is reset to its internal or external limit appropriately).

Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention was made, to modify the teaching of Howard and include the confirmation function using the teaching of Billharz. The modification would be obvious because one of ordinary skill in the art would be motivated to add the confirmation function for the purpose of informing the user about the status of the web page and to allow the user to proceed after confirming the message received from the system.

As per claim 2, Howard in view of Billharz discloses:

The restricted browser function comprises a command to execute a binary. (Page 9, paragraph 96, a delivery object 701 which is the DLL binary for the document manager). Moreover, (page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system).

As per claim 3, Howard in view of Billharz discloses:

The restricted browser function comprises a command to save a binary. (Page 9, paragraph 96, a delivery object 701 which is the DLL binary for the document manager). Moreover (page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system to input and output data and to store data in memory, including storing files on the mass memory 215). Where saving a file means storing a file.

As per claim 4, Howard in view of Billharz discloses:

The restricted browser function comprises a command to execute a script. (Page 2, paragraph 28, any format that can be displayed via the internet, such as web graphic, common gateway interface (CGI) scripts, JAVA scripts). Where displaying a script means executing a script.

As per claim 5, Howard in view of Billharz discloses:

The restricted browser function comprises a command to save a script. (Page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system to input and output data and to store data in memory, including storing files on the mass memory 215).

As per claim 6, Howard in view of Billharz discloses:

A protocol filter associated with the browser and operable to preprocess plural encrypted protocols upon retrieval of the web page by the browser. (Page 8, paragraph 86, the server security component filters web client authentication, and web server request and response events). Further Howard discloses (Page 6, paragraph 68, each document to be protected under the common security model (block 425) is marked for later encryption with the system level encryption key (SLE)).

As per claim 7, Howard in view of Billharz discloses:

The protocol encryption tool comprises a private key for encryption of protocols. (Page 6, paragraph 68, each document to be protected under the common security model (block 425) is marked for later encryption with the system level encryption key (SLE)).

As per claim 8, Howard in view of Billharz discloses:

Protocol decryption engine comprises a public key. (Page 6, paragraph 62, to decrypt the package, it is necessary to know where to break up the individual pages before attempting the decrypt the file and even then encryption makes the content unusable to anyone but the owner of the machine with the client registered with the unique ULE key).

As per claim 9, Howard discloses:

A method for secure HTML links, (page 6, paragraph 67, the server system generates a secure HTML).

Encrypting a protocol associated with a restricted browser function; (page 7, paragraph 73, the client system receives the requested content from the server system as either encrypted HTML content or secured document package). Moreover, (page 6, paragraph 67, the server system generates a secure HTML page corresponding to the requested content and sends the page to the client system).

Publishing the encrypted protocol in an HTML framework to associate with an HTML link that executes the restricted browser function; (page 1, paragraph 15, a limited-use web browser and related security system allows providers of text and images or other content to publish content on a local-area network (LAN) or wide-area network (WAN), such as world wide web (web) and the Internet), where HTML is one way of creating a web page.

Displaying the HTML framework through a browser, (page 1-2, paragraph 15, reads and displays any viewable web content including text, images, and streaming audio and video).

The browser restricting execution of restricted functions by requiring a distinct confirmation before execution of the restricted function; (page 4, paragraph 42, when the user request 313 is received by the server computer 301, the server component 302 determines if a client key is associated with the request. If the key 314 is not present, the request is immediately rejected).

Decrypting the encrypted protocol at the browser; and authorizing execution of the restricted function without the distinct confirmation. (Page 4, paragraph 45, when a document is secured using the common security model, the server component 302 encrypts the document prior to downloading it, and the limited user browser 312 decrypts the data for viewing only).

Howard does not explicitly disclose, the confirmation function. However, on the same field of endeavor, Billharz teaches this limitation as, (page 7-8, paragraph 85, one minute before expiration of time, users are prompted to confirm to continue the session, with a popup "Yes/No" window. This window appears in the foreground of all other windows, and remains up for a predetermined amount of time, e.g., one minute. The notification text may be as follows: "Your Remote User Portal session is about to expire due to inactivity. Do you want to continue using the site?" If the user does not respond after one minute, the popup will disappear and the user will be automatically signed out. If the user selects No, the user will be signed out. If the user selects Yes, the timer is reset to its internal or external limit appropriately).



Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention was made, to modify the teaching of Howard and include the confirmation function using the teaching of Billharz. The modification would be obvious because one of ordinary skill in the art would be motivated to add the confirmation function for the purpose of informing the user about the status of the web page and to allow the user to proceed after confirming the message received from the system.

As per claim 10, Howard in view of Billharz discloses:

Encrypting a protocol further comprises encrypting the protocol with a private key. (Page 6, paragraph 68, each document to be protected under the common security model (block 425) is marked for later encryption with the system level encryption key (SLE)).

As per claim 11, Howard in view of Billharz discloses:

Decrypting the protocol further comprises decrypting the protocol with a public key. (Page 6, paragraph 62, to decrypt the package, it is necessary to know where to break up the individual pages before attempting the decrypt the file and even then encryption makes the content unusable to anyone but the owner of the machine with the client registered with the unique ULE key).

As per claim 12, Howard in view of Billharz discloses:

Authorizing execution of restricted function further comprises authorizing execution of a binary by the browser. (Page 9, paragraph 96, a delivery object 701 which is the DLL binary for the document manager"). Moreover (page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system).

As per claim 13, Howard in view of Billharz discloses:

Authorizing execution of the restricted function further comprises authorizing saving of a binary by the browser. (Page 9, paragraph 96, a delivery object 701 which is the DLL binary for the document

Art Unit: 2439

manager"). Moreover (page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system to input and output data and to store data in memory, including storing files on the mass memory 215).

Where saving a file means storing a file.

As per claim 14, Howard in view of Billharz discloses:

Authorizing execution of the restricted function further comprises authorizing execution of a script by the browser. (Page 2, paragraph 28, any format that can be displayed via the internet, such as web graphic, common gateway interface (CGI) scripts, JAVA scripts). Where displaying a script means executing a script.

As per claim 15, Howard in view of Billharz discloses:

Authorizing execution of the restricted function further comprises authorizing saving of a script by the browser. (Page 4, paragraph 36, the file management system is typically stored in the mass memory 215 and cause the processor 205 to execute the various steps required by the operating system to input and output data and to store data in memory, including storing files on the mass memory 215).

As per claim 16, Howard in view of Billharz discloses:

Preprocessing of plural encrypted protocols substantially upon loading of the HTML framework to the browser. (Page 6, paragraph 68, each document to be protected under the common security model (block 425) is marked for later encryption with the system level encryption key (SLE)).

As per claim 17, Howard in view of Billharz discloses:

The distinct confirmation comprises a window displayed upon user selection of an HTML link associated with a restricted function, the window requiring at least one addition input by the user before execution of the restricted function. (Page 1-2, paragraph 15, reads and displays any viewable web content including text, images, and streaming audio and video).

As per claim 18, Howard discloses:

An information handling system comprising: (page 1, paragraph 11, secure information distribution system).

A browser operable to retrieve and display a HTML link associated with a restricted function, (page 7, paragraph 73, the client system receives the requested content from the server system as either encrypted HTML content or secured document package).

The browser requiring a distinct confirmation of a selection of the HTML link before execution of the restricted function; (page 4, paragraph 42, when the user request 313 is received by the server computer 301, the server component 302 determines if a client key is associated with the request. If the key 314 is not present, the request is immediately rejected).

An encrypted protocol associated with the HTML link; (page 6, paragraph 60, the HTML source code is encrypted by the server digital processing system using a system level encryption (SLE) key).

A protocol decryption engine interfaced with the browser and operable to override the distinct confirmation requirement upon decryption and validation of the encrypted protocol. (Page 4, paragraph 45, when a document is secured using the common security model, the server component 302 encrypts the document prior to downloading it, and the limited user browser 312 decrypts the data for viewing only). Further Howard discloses, (page 4, paragraph 42, when the user request 313 is received by the server computer 301, the server component 302 determines if a client key is associated with the request. If the key 314 is not present, the request is immediately rejected).

Howard does not explicitly disclose, the confirmation function. However, on the same field of endeavor, Billharz teaches this limitation as, (page 7-8, paragraph 85, one minute before expiration of time, users are prompted to confirm to continue the session, with a popup "Yes/No" window. This window appears in the foreground of all other windows, and remains up for a predetermined amount of time, e.g., one minute. The notification text may be as follows: "Your Remote User Portal session is about to expire due to inactivity. Do you want to continue using the site?" If the user does not respond after one minute, the popup will disappear and the user will be automatically signed out. If the user selects No, the user will

Art Unit: 2439

be signed out. If the user selects Yes, the timer is reset to its internal or external limit appropriately).

Therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention was made, to modify the teaching of Howard and include the confirmation function using the teaching of Billharz. The modification would be obvious because one of ordinary skill in the art would be motivated to add the confirmation function for the purpose of informing the user about the status of the web page and to allow the user to proceed after confirming the message received from the system.

As per claim 19, Howard in view of Billharz discloses:

Browser is further operable to retrieve a web page having plural encrypted protocols, (page 6, paragraph 62, a secure document package is composed of a document manager and one or more web pages, each of which is encrypted with the ULE).

The information handling system further comprising, (page 1, paragraph 11, secure information distribution system)

A protocol filter interfaced with the browser and operable to identify the plural encrypted protocols for decrypting by the protocol decryption engine. (Page 8, paragraph 86, the server security component filters web client authentication, and web server request and response events). Further Howard discloses (Page 6, paragraph 68, each document to be protected under the common security model (block 425) is marked for later encryption with the system level encryption key (SLE)).

As per claim 20, Howard in view of Billharz discloses:

A protocol database interfaced with the protocol decryption engine and having a table of protocols and associated restricted functions, (Page 6, paragraph 62, to decrypt the package, it is necessary to know where to break up the individual pages before attempting to decrypt the file and even then encryption makes the content unusable to anyone but the owner of the machine with the client registered with the unique ULE key).

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TESHOME HAILU whose telephone number is (571)270-3159. The examiner can normally be reached on Mon-Fri 7:30a.m. to 5:00p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kambiz Zand can be reached on (571) 272-3811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Teshome Hailu

October 20, 2008

/Kambiz Zand/  
Supervisory Patent Examiner, Art Unit 2434